

What is claimed is:

1. A digital textile printer with a transfer belt with a rail shape on the top of the base supported by both legs contacted with the ground, a cartridge transferable through
5 the transfer belt and fixing a head unit at the one side of the cartridge, a transfer axis with a long shape coupled with a transfer motor in a driving panel installed on the top of the inside of a base, multiple transfer rollers of the transfer axis protruding to the top of the base to make
10 a printing material move to the forward direction, a feeding roller means installed in the rear of the base sending the printing material through the top of the base, a rewinding roller means rewinding the printing material from the top of the base, comprising:

15 at least one rear guiding roller means at the rear of the base, coupled with the transfer axis;

a rear feeding device including a rear tension means at the bottom of the rear of the legs to rotate eccentrically in a predetermined angle, a rear position
20 sensor installed at a predetermined position of the rear tension means to correspond to a rear eccentric axis of the rear tension means winding the printing material, and a feeding motor installed on the top of the rear tension

means to drive a rear bobbin axis of the feeding roller means combined with a rear bobbin feeding the printing material by receiving signals from the rear position sensor;

5 at least one front guiding roller means at the front of the base, linked with the transfer axis; and

 a front rewinding device including a front tension means at the bottom of the front of the legs to rotate eccentrically in a predetermined angle, a front position
10 sensor installed at a predetermined position of the front tension means to correspond to a front eccentric axis of the front tension means winding the printing material, and a rewinding motor installed on the top of the front tension means to drive a front bobbin axis of the rewinding roller
15 means combined with a front bobbin rewinding the printing material by receiving signals from the front position sensor.

2. The digital textile printer according to claim 1,
20 wherein the front/rear tension means installed at the front/rear of the bottom of the legs, comprises:

 front/rear fixtures facing each other at the front of two legs;

a front/rear rotation axis installed eccentrically between two front/rear brackets with a predetermined length, penetrating two front/rear brackets, and both ends of the front/rear rotation axis combined with the front/rear
5 fixtures; and

a front/rear eccentric axis, corresponding to the printing material, apart in a predetermined distance from the front/rear rotation axis between the two front/rear brackets.

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3. The digital textile printer according to claim 1, wherein the front/rear guiding roller means further comprises multiple front/rear rollers coupled with the transfer belt of the transfer axis and combined with at
15 least one front/rear tension axis.

4. The digital textile printer according to claim 1, wherein the diameter of the front roller of the front guiding roller means linked directly with the transfer axis
20 is slightly larger than the diameter of the rear roller of the rear guiding roller means.

5. The digital textile printer according to claim 1, further comprises an ink-retrieving hole in a long shape on the top of the base to collect the residues of the injected ink passing through the printing material.

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6. The digital textile printer according to claim 1, further comprises a heater of rubber material at the inside of the base to dry promptly the printing material.

10 7. The digital textile printer according to claim 1, further comprises:

multiple front/rear adjusting holes between the two front/rear brackets; and

15 a front/rear tension adjusting axis installed in one of the multiple front/rear adjusting holes to balance with the weight of the front/rear eccentric axis, and eventually to adjust tension strength of the front/rear eccentric axis.

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